In the Specification:

Please amend the specification as shown:

Please insert the following paragraph before paragraph [0002]:

<u>Sequence Listing</u>

The instant application contains a "lengthy" Sequence Listing which has been submitted via CD-R in lieu of a printed paper copy, and is hereby incorporated by reference in its entirety. Said CD-R, recorded on October 5, 2004, are labeled "Copy 1" and "Copy 2", respectively, and each contains only one identical 604 Kb file (SEQ471UT.APP).

Please delete paragraph [0144] and replace it with the following paragraph:

[0144] When designing the siRNA molecules, the targeted region often is selected from a given DNA sequence beginning 50 to 100 nucleotides downstream of the start codon. See, *e.g.*, Elbashir et al,. Methods 26:199-213 (2002). Initially, 5' or 3' UTRs and regions nearby the start codon were avoided assuming that UTR-binding proteins and/or translation initiation complexes may interfere with binding of the siRNP or RISC endonuclease complex. Sometimes regions of the target 23 nucleotides in length conforming to the sequence motif AA(N19)TT **(SEQ ID NO: 13)** (N, any nucleotide), and regions with approximately 30% to 70% G/C-content (often about 50% G/C-content) often are selected. If no suitable sequences are found, the search often is extended using the motif NA(N21). The sequence of the sense siRNA sometimes corresponds to (N19) TT or N21 (position 3 to 23 of the 23-nt motif), respectively. In the latter case, the 3' end of the sense siRNA often is converted to TT. The rationale for this sequence conversion is to generate a symmetric duplex with respect to the sequence composition of the sense and antisense 3' overhangs. The antisense siRNA is synthesized as the complement to position 1 to 21 of the 23-nt motif. Because position 1 of the 23-nt motif is not recognized sequence-specifically by the antisense siRNA, the 3'-most nucleotide residue of the antisense siRNA can be chosen deliberately. However, the penultimate nucleotide of the antisense siRNA (complementary to position 2 of the 23-nt motif) often is complementary to the targeted sequence. For simplifying chemical synthesis, TT often is utilized. siRNAs corresponding to the target motif NAR(N17)YNN, where R is purine (A,G) and Y is pyrimidine (C,U), often are selected.

Respective 21 nucleotide sense and antisense siRNAs often begin with a purine nucleotide and can also be expressed from pol III expression vectors without a change in targeting site. Expression of RNAs from pol III promoters often is efficient when the first transcribed nucleotide is a purine.

Please delete paragraph [0237] and replace it with the following paragraph:

[0237] For each polymorphism, SpectroDESIGNER™ software (Sequenom, Inc.) was used to generate a set of PCR primers and a MassEXTEND™ primer was used to genotype the polymorphism. Table 4 shows PCR primers **(SEQ ID NOS 14-21, respectively, in order of appearance)** and Table 5 shows extension primers **(SEQ ID NOS 22-25, respectively, in order of appearance)** used for analyzing polymorphisms. The initial PCR amplification reaction was performed in a 5 µl total volume containing 1X PCR buffer with 1.5 mM MgCl$_2$ (Qiagen), 200 µM each of dATP, dGTP, dCTP, dTTP (Gibco-BRL), 2.5 ng of genomic DNA, 0.1 units of HotStar DNA polymerase (Qiagen), and 200 nM each of forward and reverse PCR primers specific for the polymorphic region of interest.

Table 4: PCR Primers

Reference SNP ID	Forward PCR primer	Reverse PCR primer
rs1949471	ACGTTGGATGGCTTCAACTGCTTTGCTATG	ACGTTGGATGTTTCTCAGGGTCAATGACTG
rs220097	GCAAACGTGCACATTTGCAC	TTCCTGGGAATGGATTTCAG
rs1990440	CCAGGGTGTGTTCTAATACG	AAGTCACTAACCCCACACAC
rs355510	TTCTGAGATGATCCTGATGG	CCCTCCTTTTAACCTTTTAGG

Please delete paragraph [0239] and replace it with the following paragraph:

[0239] Once the SAP reaction was complete, a primer extension reaction was initiated by adding a polymorphism-specific MassEXTEND™ primer cocktail to each sample. Each MassEXTEND™ cocktail included a specific combination of dideoxynucleotides (ddNTPs) and deoxynucleotides (dNTPs) used to distinguish polymorphic alleles from one another. In Table 5 **(SEQ ID NOS 22-25, respectively, in order of appearance)**, ddNTPs are shown and the fourth nucleotide not shown is the dNTP.

Table 5: Extend Primers

Reference SNP ID	Extend Probe	Term Mix
rs1949471	CAGGGTCAATGACTGTATATTAC	ACT
rs220097	ACAGAGTTTTAAACCTCCTACA	ACT
rs1990440	CGTCAGCAAATGTGTACCGA	ACT
rs355510	ATGGTTTTCTTTCTTGTCCTTC	ACG

Please delete paragraph [0250] and replace it with the following paragraph:

[0250]   The methods used to verify and allelotype the proximal SNPs of Table 7 are the same methods described in Examples 1 and 2 herein. The PCR primers and extend primers used in these assays are provided in Table 8 **(SEQ ID NOS 26-69, respectively, in order of appearance)** and Table 9 **(SEQ ID NOS 70-91, respectively, in order of appearance)**, respectively.

Table 8

dbSNP rs#	Forward PCR primer	Reverse PCR primer
604005	ACGTTGGATGTGTCTCGCTTTTAGCCTGTG	ACGTTGGATGCAGACAGACATACAGAAGGG
890491	ACGTTGGATGGCAGAACCATGGAGAAAAGC	ACGTTGGATGGGCAAGAGTAAGGCACTATC
958902	ACGTTGGATGGCCACTGAATTGTACATTAAC	ACGTTGGATGATTGGAGTCCCGAGCTAAAC
1195059	ACGTTGGATGCCTGTTTTCATTTAGACTCC	ACGTTGGATGTGCTCACAAAGATTTAAACC
1356612	ACGTTGGATGTTGAACAGCTCAGCTGAAAG	ACGTTGGATGAGATACATGTCTTGTCTGGG
1839742	ACGTTGGATGTCTGAGGTCAGGAGTTTGAG	ACGTTGGATGGCCACCATGTCCAGCTAATT
1868890	ACGTTGGATGAGTGAGGAAGGCCTATTAAC	ACGTTGGATGATACCTGAGTCGAACTCTTG
1868891	ACGTTGGATGTTATTGCTCTTGAACGTGGC	ACGTTGGATGTCTGAGAAAAAGAATTGGGG
1949471	ACGTTGGATGTTTCTCAGGGTCAATGACTG	ACGTTGGATGAGACCCTGCTTCTTTCAACG
2098941	ACGTTGGATGATTAGCTGGGCATGCTATCC	ACGTTGGATGTGTAGCCTTGAATTCCTGGG
2195027	ACGTTGGATGGGGCGCTAAATAATGCGCCAC	ACGTTGGATGCTGACCTCGTGATCTGCCTG
2341225	ACGTTGGATGGGGCGGGTGGGAAGACTCTAA	ACGTTGGATGTCTTTCACTGTATTCAGATC
2879969	ACGTTGGATGCTCCATTTCAAAAAAAAAAA	ACGTTGGATGCCTTAGAGGTATGTCCAGAG
3773845	ACGTTGGATGACACAAGTAACAAACTTGAG	ACGTTGGATGGTGCTTGAAGAAATTATGTG
3773851	ACGTTGGATGTAAGATACGGAGGATAGAGG	ACGTTGGATGGCATATAGTCTTTGTGGTGTG
3773852	ACGTTGGATGGTGAGTGTACTTAAATAAGTT	ACGTTGGATGGTTTCCCTTTGTGTTTTCAG
3773853	ACGTTGGATGTGGTTTAAATCTTTGTGAGC	ACGTTGGATGCTGTGAGTGTATCTGAAAAC
3773855	ACGTTGGATGGCTTGTTTTATGAACTGGAG	ACGTTGGATGTTAATACCATTGGTTAAATC
3821713	ACGTTGGATGTTCAGGCAACTCAAGTAAGC	ACGTTGGATGTAGAGTGGGTGTTTACACTG
3856760	ACGTTGGATGTGATCTCAGCTCACTGTAAC	ACGTTGGATGTGTAGTCCCAGCTACTCAGG
FCH-1723	ACGTTGGATGGCTTCAACTGCTTTGCTATG	ACGTTGGATGTTTCTCAGGGTCAATGACTG
DLG1_SNP	ACGTTGGATGCTTCATAGTAGCCAGGCTAG	ACGTTGGATGAGCACATGAACAGATGTGTC

Table 9

dbSNP rs#	Extend Primer	Term Mix
604005	TTATCAACCTACAATGGA	ACG
890491	TTATGGCCATACGTAAAAAGCA	ACT
958902	CGGAGGCTTTATTCGTA	ACT
1195059	AAAGATTTAAACCATCAACCAAAT	ACG
1356612	GGGTAGTGGTTTCATGATTTTTA	ACG
1839742	TCCAGCTAATTTTTTTGTATTTTTA	ACT
1868890	CTGAGTCGAACTCTTGTATAAA	ACT
1868891	GAAAAAGAATTGGGGATTATAAC	ACG
1949471	CGAACATCTACTTCATTTACT	ACG
2098941	TCCTCCCACATCAGCCT	ACG
2195027	GCGTGAGCCACCACACC	ACG
2341225	CACTGTATTCAGATCTTCATATTT	ACT
2879969	CATCATACTGCCTCTGG	ACT
3773845	TTATGTGTTCTCTATTTATTGACT	ACT
3773851	TTTGTGGTGTGGGATTC	CGT
3773852	TATTTTCCATTTCCTCTCTG	ACT
3773853	AAGGGAAACTCATGATTTCTA	ACG
3773855	AGGCTTTTTGTAGCAGT	ACG
3821713	GTGGGTGTTTACACTGTTTAATAC	ACT
3856760	ATGAGAATCACTTGAACCTG	ACT
FCH-1723	CAGGGTCAATGACTGTATATTAC	ACT
DLG1_SNP	AGATGTGTCACAAATGCAA	ACT

Please delete paragraph [0256] and replace it with the following paragraph:

[0256] The methods used to verify and allelotype the proximal SNPs of Table 11 are the same methods described in Examples 1 and 2 herein. The PCR primers and extend primers used in these assays are provided in Table 12 **(SEQ ID NOS 92-209, respectively, in order of appearance)** and Table 13 **(SEQ ID NOS 210-268, respectively, in order of appearance)**, respectively.

Table 12

dbSNP rs#	Forward PCR primer	Reverse PCR primer
KIAA0783_SNP1	ACGTTGGATGCCCTAACACTACTCCTTGTC	ACGTTGGATGCCAACACTTCTTGGAGTCTG
KIAA0783_SNP2	ACGTTGGATGAGCCACATTCTCAGATACTG	ACGTTGGATGGGGAAAAGAAGGAAGAAGAAG
182594	ACGTTGGATGGAGACAGAAAAGTGGTGGAC	ACGTTGGATGCCTTTAAGAAGGCCCTTGTG

dbSNP rs#	Forward PCR primer	Reverse PCR primer
190075	ACGTTGGATGCACAAATTCAGTGGCCAAGC	ACGTTGGATGCTTGTTGTGGACACCTACTG
218962	ACGTTGGATGCAGGAGTGAGAAGTTCTTTG	ACGTTGGATGTGCTGATTGGTCTATGGGTG
218973	ACGTTGGATGTCTCACACTGAGGCCTGTAG	ACGTTGGATGTTTGCTGCACCCATCAACTC
218980	ACGTTGGATGCTTCCCTCCTTTTCTCCTTC	ACGTTGGATGCAAGATCCAATCCAGAAGAC
218981	ACGTTGGATGAGATTGCTGCCACTACACAC	ACGTTGGATGCTCTTGGCATTCTTAACTCAG
218983	ACGTTGGATGTCTGCAGTTTCTCTCTCAAC	ACGTTGGATGACCAAATCCAAGATGTAGGG
220090	ACGTTGGATGCAGCAGAAACTTGATGATGG	ACGTTGGATGAGACACTGAGACTCTGGAGG
220091	ACGTTGGATGGTGTATACACAAGGGCCTTC	ACGTTGGATGCTGATTGCTGTTTCTGTTAC
220093	ACGTTGGATGTCCACACTGTGAACAGAGAC	ACGTTGGATGAGTCTAAAAAGGCTGTCAGG
220095	ACGTTGGATGGCAGCTCAATTTTTAGGAACC	ACGTTGGATGCCCTTGTACACTGTTGCATG
220096	ACGTTGGATGTAGATTAATTATTGGTTGGC	ACGTTGGATGGCCACCTCCAAAATTAGATC
220097	ACGTTGGATGTTCCTGGGAATGGATTTCAG	ACGTTGGATGGCAAACGTGCACATTTGCAC
284856	ACGTTGGATGTGCATGACTACACAAAGAAG	ACGTTGGATGGCAAAATCCTACATTGAGGC
286243	ACGTTGGATGGATGTCTCTGTTCACAGTGTG	ACGTTGGATGCTGGCAAATAGCAATCTAAAC
220097	ACGTTGGATGTTCCTGGGAATGGATTTCAG	ACGTTGGATGGCAAACGTGCACATTTGCAC
1026903	ACGTTGGATGGTACTGAAACTCTGAGCATTC	ACGTTGGATGCATCTTATCTGTTTACCATAC
1154920	ACGTTGGATGGCTGTATATACGAGTTAATGG	ACGTTGGATGAGTGGAGGTGGAGGTGAGGCT
1154921	ACGTTGGATGAAATGCCAATAGCGCCAAGG	ACGTTGGATGAGTAGAAGAGATAAGCCTGG
1154922	ACGTTGGATGTTTTGCCTCACCAAGATTGC	ACGTTGGATGACAATTTCATTGAGGAGAGG
1154923	ACGTTGGATGGATGGTTGATCACTTGTGTAG	ACGTTGGATGCTTACCTCCTCTCCTCAATG
1483201	ACGTTGGATGGTTGCTAAAGTAGTTTCAGCC	ACGTTGGATGACCAAAGAGCTTGTCCCATC
1483202	ACGTTGGATGGGTGCTTTAGAATGTAACACAG	ACGTTGGATGTGGAATTGCACCCTTGCTTG
1483204	ACGTTGGATGTATCTTATCTAGCAGGCAAC	ACGTTGGATGACTAAGATCACAGGCCTGAG
1640699	ACGTTGGATGGGGTTGGGTGTATGATAGGAG	ACGTTGGATGAGCATGGCTAATCTGTCTGG
1640700	ACGTTGGATGCTTTATTGACTGCTTTCAATC	ACGTTGGATGAGTGATTACGAGCCTGTACC
1640701	ACGTTGGATGTTAGGTGCATTGATGCTCTG	ACGTTGGATGCTCAGGCACAGAAAAGATTC
1640702	ACGTTGGATGCTGTGGTCTCAGGTCACAAA	ACGTTGGATGATGCACCTAAAACAAGAGTC
1640703	ACGTTGGATGCATAATTTACCTTCCTGGCC	ACGTTGGATGCAAATTTGTGACCTGAGACC
1640705	ACGTTGGATGACCATCAGAACCAGTATACC	ACGTTGGATGGATGGCCAGAATTGATGTAC
1640710	ACGTTGGATGCCTTTCCGCTGTATCTCTTG	ACGTTGGATGGGTACAAGGAAGATCCTCAG
1681281	ACGTTGGATGATTGAGAAAGCAGCTGCTTG	ACGTTGGATGCCAACCTCCCAAATACATCC
1681284	ACGTTGGATGATAAAATAGGTCTGGGGCTG	ACGTTGGATGGTTTGCTTACTCTGGTACTG
1681286	ACGTTGGATGGAAATGTAACGCAAAGAGGG	ACGTTGGATGGTTGAAACATTGTCTGCTAG
1681290	ACGTTGGATGGTACCATAAAATACAATACC	ACGTTGGATGTGGTCCCCCAGTCATCTTAA
1681291	ACGTTGGATGTAGCAAAACCCTGCCTCTAC	ACGTTGGATGGAGGTCAGTGTTCTGGTATTG
1681292	ACGTTGGATGGAGGTCAGTGTTCTGGTATTG	ACGTTGGATGAGCCTGGGCAACATAGCAAA
1681305	ACGTTGGATGCAGACAGATGTTTAGCTACC	ACGTTGGATGTGAAGTTGTGGATTCCCAGC
1681311	ACGTTGGATGGCTTGACCAATCATACTTCC	ACGTTGGATGGAAACAAATTGCTCTGAGTCC
1681312	ACGTTGGATGTCTTCAGGGCAGTAGGATTC	ACGTTGGATGCACATGTGTTTAATACAAGG
2108111	ACGTTGGATGAGCCTGTAAATGATAGAGCC	ACGTTGGATGGATGTCACAGTACAGCAATG
2108114	ACGTTGGATGGATAGAAAAGTTAGAGAAATG	ACGTTGGATGAAGGTCACACCACTGCACTC
2110376	ACGTTGGATGCCAGTTTACACTGGATATTTC	ACGTTGGATGTTGACTAGCTGCTAGAAGGG
2110377	ACGTTGGATGCCAGTTTACACTGGATATTTC	ACGTTGGATGTTGACTAGCTGCTAGAAGGG
2160059	ACGTTGGATGTTAAGTACCGGGAAATTCAG	ACGTTGGATGTCATATACCTACGCAGGCTC
2190295	ACGTTGGATGCTTTTAGAAGTAGTAGGGGC	ACGTTGGATGAGACTCCAAGAAGTGTTGGG
2306768	ACGTTGGATGAAAGGTGGTTTTGCCAGCTG	ACGTTGGATGCTCAGTCTCCTGAAGTGCTG
2353340	ACGTTGGATGCCTATCTGCATGTTGCTTAC	ACGTTGGATGGACTCTTGGGAGTACAAATG

dbSNP rs#	Forward PCR primer	Reverse PCR primer
2353341	ACGTTGGATGCACAACCAGAATTTGTAAGTC	ACGTTGGATGCACACGCATGCATCATCTAC
2353342	ACGTTGGATGTGGTTTTCAGTCAAAGCTGC	ACGTTGGATGCTGAGATCTTTCTTCCTGAC
2353343	ACGTTGGATGGTTGCAGAGGGAAGCATTTC	ACGTTGGATGCACTTGTGACCAGGTCACTA
2510348	ACGTTGGATGCTATCCCAGGGCTATGTTTG	ACGTTGGATGGAAGTGGAGGATGAGTTGTG
2883140	ACGTTGGATGCAGCACTTACTTGTCATGTAG	ACGTTGGATGCATAACCAATTTGTCTTAAC
3801435	ACGTTGGATGTCAGTATGAAGCAAGCAGCC	ACGTTGGATGATGTCGCTATACTCTGTAGG
3801437	ACGTTGGATGGTAGCTGAGAAGATGCTCAC	ACGTTGGATGATAGCTGTTCCAGTCTCTTG
3801438	ACGTTGGATGATACGGTAAAGGTAGTCTGG	ACGTTGGATGTTACCTGTATTGCCCTCTCG
3823875	ACGTTGGATGCTCAAGAGCCCATCATCATC	ACGTTGGATGGACAGGCTCAGATATTTCAG

Table 13

dbSNP rs#	Extend Primer	Term Mix
KIAA0783_SNP1	ATTCAGCACAAGTTGTCA	ACG
KIAA0783_SNP2	GAAAGACCTAGAAAGAAAA	ACT
182594	CTCTCTCTTTCTCTCACT	ACT
190075	GTCTGGAGATCCGAATTT	ACT
218962	GCACCATCTGATTGGCC	ACT
218973	CCCAACACTATCCCTTC	ACG
218980	ATCCAGAAGACAATATTGCATTTA	ACT
218981	GTATTGCTTTGTTGCCC	ACG
218983	GGTAAAGAGATGAAGTGC	ACG
220090	CCCAGATATCCTCGGAA	ACT
220091	TGTTACTTATTACATTGTCCAA	ACT
220093	TTATATTCACTCTGAAATCCC	ACT
220095	CACTGTTGCATGAAATGTA	CGT
220096	CCTGCTACAAAGGGACCTCA	ACT
220097	ACAGAGTTTTAAACCTCCTACA	ACT
284856	TACATTGAGGCAGTTTGTGCT	ACG
286243	AGCAATCTAAACATGAGATTGAGC	ACT
220097	ACAGAGTTTTAAACCTCCTACA	ACT
1026903	CTTATCTGTTTACCATACAATCTA	ACG
1154920	CAACACAAAATGCCAATAG	ACG
1154921	TGTGGCTGTATATACGAGTTAA	ACG
1154922	TTGAGGAGAGGAGGTAA	ACT
1154923	CATCAATCTAATCTCATTTCCTAT	ACT
1483201	TGGGTGGTCCTTTTCTGATA	ACG
1483202	TAATCATGTGGAATTTCCAG	ACT
1483204	CAGGCCTGAGCCACTGT	ACT
1640699	CTAATCTGTCTGGTTAATAGAA	ACT
1640700	GCAAAAGCAAAAGTAAGCT	ACT
1640701	AAACAATGGTAATCTAGAGTAAGC	ACT
1640702	TGATTCAATTTCTGTTGACTACT	ACT

dbSNP rs#	Extend Primer	Term Mix
1640703	GTGACCTGAGACCACAGATC	ACT
1640705	TCCAAATAAGAAGCCCT	ACT
1640710	CAGTGTAATAAATTATCAGTTCAT	ACT
1681281	TGGAGTTCAATATAAAGATACAC	ACT
1681284	TGTTTTCAGTTTTATTTGCC	ACT
1681286	TTGTCTGCTAGCCATTT	ACT
1681290	AATCAGTGTTTCTTTAAAGGTC	ACT
1681291	CTGGTATTGTATTTTATGGTACT	ACT
1681292	GGGCAACATAGCAAAACCCTG	ACG
1681305	TTCCCAGCCCTACTTAC	ACT
1681311	CTGAGTCCTAAAAAAAGGT	ACG
1681312	TTAATACAAGGAAATTCCAGC	ACT
2108111	AGAATTTGAAGACATAAAAACC	ACG
2108114	GCGACAGAGCAAGACTC	ACG
2110376	GGGTCAGAGAACTCTATTAA	ACT
2110377	AGAGAACTCTATTAAGTAGGTC	ACT
2160059	CTCATGGATCTGTCTTAC	ACT
2190295	GGGGAAAAAAAAGGTCATATTA	ACT
2306768	CTGAAGTGCTGGGATTATGGG	CGT
2353340	TTTTCTGTGCTTTCTTTGT	ACT
2353341	CATCTACTCTCTTTGAAGTT	ACT
2353342	CTTTCTTCCTGACTTACAAATTC	ACT
2353343	GTGTTTTTGTTGACATATCAAT	ACT
2510348	GGAGGATGAGTTGTGTTGACT	ACT
2883140	TTGTCTTAACTACTATAAACTGAA	CGT
3801435	GCTATACTCTGTAGGAGTTTATCT	ACG
3801437	CAGTCTCTTGATTTTAAGGA	ACT
3801438	CTCGTACTTTTGCCCAC	ACG
3823875	ATTTCAGTGATATAGGAGTCT	ACT

Please delete paragraph [0262] and replace it with the following paragraph:

[0262]   The methods used to verify and allelotype the sixty-three proximal SNPs of Table 15 are the same methods described in Examples 1 and 2 herein. The PCR primers and extend primers used in these assays are provided in Table 16 **(SEQ ID NOS 270-348, respectively, in order of appearance)** and Table 17 **(SEQ ID NOS 349-388, respectively, in order of appearance)**, respectively.

Table 16

dbSNP rs#	Forward PCR primer	Reverse PCR primer
740975	ACGTTGGATGGAAACCAAGATAGGAAATGG	ACGTTGGATGCTCAGTGCCAGAAATACCAG
740976	ACGTTGGATGTCCTGTTTCTAAGCAGGGAG	ACGTTGGATGATCAGGACTACCTGAGCAAC
740977	ACGTTGGATGTCCAGTGAGGCCTCCCTCCAA	ACGTTGGATGCAGCAACCCAAAGCAACACG
740978	ACGTTGGATGTAGCCACGCCATTATTGGAG	ACGTTGGATGCTTCACATCCCTCCTCAAAG
740979	ACGTTGGATGATCCTAACCAGGTCTGATGG	ACGTTGGATGAAGGGCCAAGCAATGCTTTG
740980	ACGTTGGATGGGTAGGGCTGTCTGTTTCAT	ACGTTGGATGATGCCTGCCACATTGGGTAA
747987	ACGTTGGATGAGGTCTGGCACTGCTAAATG	ACGTTGGATGCCTTGTGAACTTCCAACCTG
758913	ACGTTGGATGCCTAGCCAACATCCTTTTCC	ACGTTGGATGAGCAACCAGTCTAGTTTTCG
758914	ACGTTGGATGCCCTTGTTTTAGAGGTTGGG	ACGTTGGATGTGTGATCCAGACATCAGCTC
758915	ACGTTGGATGCAAGAAGGGCATTTCTACCC	ACGTTGGATGCAATGCTGCTGACATCAGAC
763388	ACGTTGGATGGGGTACTCTTAGCTGAGAAC	ACGTTGGATGTACAGGGATTGTGATGTGGG
973963	ACGTTGGATGGATTTGTTCTGGCAGGAATG	ACGTTGGATGACAAACCACTAAACTTTCAG
1004552	ACGTTGGATGGATCATCCAAGTATGCTCCC	ACGTTGGATGGCAAAACCCAGTGCCAAAC
1035099	ACGTTGGATGAAAGGGTACCCAGACTTCAC	ACGTTGGATGTGGGGAGAACTTTGGTCAAC
1126160	ACGTTGGATGGGGGTTCTCTCTTGACAGATG	ACGTTGGATGTGTTCTCACCCTGTTCTGTT
1468662	ACGTTGGATGGCTAGAAATCACCAGCAACC	ACGTTGGATGTCATGTAGGTTGGCTCTGAC
1544579	ACGTTGGATGACCATTATCATCTTCCCAGG	ACGTTGGATGCCTTATCTCTCTAAGACATGC
1860748	ACGTTGGATGACTCGACTAGCTAGTCTTGG	ACGTTGGATGAAAGCAATCCAGCGGACAAG
1860749	ACGTTGGATGTCCCCGGAATGATACATGAC	ACGTTGGATGAACATGATTAAGGATAAAGC
1990440	ACGTTGGATGAAGTCACTAACCCCACACAC	ACGTTGGATGCCAGGGTGTGTTCTAATACG
1990441	ACGTTGGATGTCAGAGATATGCACTGCAAG	ACGTTGGATGCACACCCTGGCATGAATGTG
1990443	ACGTTGGATGCACTGGATTTGGCAAGAAGG	ACGTTGGATGTACATGATCCTCCCCTCTAC
2052141	ACGTTGGATGCCTGCAAAATCCCTCATACC	ACGTTGGATGATAGAAGCGTGACCTTACCC
2052142	ACGTTGGATGGGTATGAGGGATTTTGCAGG	ACGTTGGATGACTGGACTCACCCACATAAG
2052143	ACGTTGGATGCCAGTGTAATCACAAGGGTC	ACGTTGGATGTGTGTCACTTCTACCTCCAC
2052145	ACGTTGGATGGTGCTGGCTGCCTAGTTCTA	ACGTTGGATGGGCTTCTCAATTCAGATGGG
2052146	ACGTTGGATGCCACAAAAGCACGTGATTTC	ACGTTGGATGTTATTTGAGCTCTGATAGTG
2098195	ACGTTGGATGGCTCCAGTCTCTAATCACAC	ACGTTGGATGCAAAGTTCTCTGCCTGAGTG
2109794	ACGTTGGATGTAATCCCAGCACTTTGGGAG	ACGTTGGATGAGGCTGATCTTGAACTCCTG
2109795	ACGTTGGATGCAAACAAGGTCCCAGCATTC	ACGTTGGATGTCCTGACTCTCTCAAAACCC
2159714	ACGTTGGATGAAACTCTCTCGTTGCTGTGG	ACGTTGGATGAAAGCCCCTCTAGCAAAAGG
2159715	ACGTTGGATGCTGCCTGCAAGTTCCCATTG	ACGTTGGATGTACAGGCACTGGCGAAGAAG
2191821	ACGTTGGATGGAAAGTGTCCTTAGCTTGCC	ACGTTGGATGTGAGATGGATCTGGAGCCAC
2191822	ACGTTGGATGATTTTTCCCGGCATCTGACC	ACGTTGGATGTGCAAAGTGGTGGAGGAAAG
2215590	ACGTTGGATGTCCAAGAAGGACAGCAGTAG	ACGTTGGATGATGAGAGCCTTTCTTCAGGG
2215591	ACGTTGGATGATTTGTTAAAATTCATAGAAC	ACGTTGGATGTCCCCAGTTTGCATCTTGAC
2332918	ACGTTGGATGAACCCATGGGACCACAATTC	ACGTTGGATGTAGGATGGGTGTTTCCTAGC
2332919	ACGTTGGATGTCTGAGGGCTCTCTCTAATG	ACGTTGGATGATGAAGGAAGAAGCCCTGAC
2877821	ACGTTGGATGATAATCTATGTCCTAGATTG	ACGTTGGATGTAGTAGCATTCCAAGTGCCC
3937455	ACGTTGGATGGCAAGAATAGGTTCTTTCGC	ACGTTGGATGACCTCCACACTCATTACCTC

Table 17

dbSNP rs#	Extend Primer	Term Mix
740975	ACCAGCTCTCTTTGGAT	ACT
740976	ATCCAGATGGCCCTGAC	ACT
740977	TGGTTTTCGAATAAGTAGCCAC	ACT
740978	AAGCCTTCCTATCCCCA	ACT
740979	TGCTTTGGGGCAGACTGAC	CGT
740980	CACATTGGGTAAATGATGA	ACT
747987	AACCTGGTTCTGCCATT	ACT
758913	CCAGTCTAGTTTTCGATCACC	ACT
758914	CCCCAGTGATCCTGAGAAAT	CGT
758915	GACATCAGACCTATGCCAGGA	ACT
763388	CACTCATGCCTCAAGCCAAT	ACT
973963	AACAACCAACTCTCCAG	ACG
1004552	TCTTGGCTCAGTGCTGC	ACG
1035099	TTGGTCAACATCGCAGC	CGT
1126160	GAAGCCCATCGCTAAGTGTTT	ACT
1468662	CTCTGACTGAGGAGAGACC	ACT
1544579	GACATGCATCAAAGCAGCTG	ACT
1860748	TCTTGGAGCCATATTTTATTTG	ACT
1860749	TTAAGGATAAAGCAATCCAG	ACG
1990440	CGTCAGCAAATGTGTACCGA	ACT
1990441	CATGAATGTGATTCACATTCTCC	ACT
1990443	TTCCCCTCAGCTCTTAG	ACG
2052141	CTTACCCCCAAAGATGTCCA	ACG
2052142	AGCCAGGATAATCTCCTCA	ACG
2052143	TCTACCTCCACTTCCAA	ACG
2052145	ATTCAGATGGGATCACAGAAG	ACT
2052146	GAGCTCTGATAGTGATTGTGAGT	ACT
2098195	TAAACCTTTCTATGTTCCTG	ACT
2109794	CTCAGGTGATCCACCCA	ACG
2109795	TCCCAGAATTTGGAGCC	ACT
2159714	CAAAAGGATCTGCAAAAG	ACG
2159715	CATAGGGATAGGAATGGG	ACT
2191821	ATGTGGGTTTGGACTGGGGCT	ACT
2191822	AGGAAAGGAATGTCTGCCCC	ACT
2215590	CAGGGCCAGCCATGAACGT	ACG
2215591	TTCAATAAAATGTACTCATTCAAA	ACT
2332918	TCTCTCTAATGGGGACC	ACG
2332919	ACTGGATCCCAGAAGAG	ACT
2877821	CCCTGTTCTGCACCTTTAAA	CGT
3937455	TCCTTTTTTCCCCACCC	ACT

Please delete paragraph [0268] and replace it with the following paragraph:

[0268]   The methods used to verify and allelotype the proximal SNPs of Table 19 are the same methods described in Examples 1 and 2 herein. The PCR primers and extend primers used in these assays are provided in Table 20 **(SEQ ID NOS 389-550)** and Table 21 **(SEQ ID NOS 551-631)**, respectively.

Table 20

dbSNP rs#	Forward PCR primer	Reverse PCR primer
1056787	ACGTTGGATGCATTTCATATTTTGTAGATC	ACGTTGGATGTCTCAGCCCTCTGATAAAAC
1056789	ACGTTGGATGTGAAGGTTCTGGAGGTATCG	ACGTTGGATGTCTTCTTAGCCAAGTCTGCC
CENPC1_SNP1	ACGTTGGATGAACAACGCACAATATCCCCG	ACGTTGGATGGGGGTGAGGTTTATGGGAATG
11250	ACGTTGGATGAACAACGCACAATATCCCCG	ACGTTGGATGCATTTGCCAAAGTCTTAGGT
1187960	ACGTTGGATGTGAACCCTTCAAAATCACCC	ACGTTGGATGTTGTGTTTCATGGGAGGAGG
1187961	ACGTTGGATGCAACAGATTTTCCCTGTAGAC	ACGTTGGATGTGCATTGACTTCTCCTCAGC
1187974	ACGTTGGATGGCTGAGCAGAAGCTCTTTCA	ACGTTGGATGTGGGCAAAGACTTCATGATT
1353626	ACGTTGGATGCAACTACTACCTAGATGATGA	ACGTTGGATGAATAGAAAATCTAAATTGTCTAC
1391110	ACGTTGGATGAGTATGAAGGTCAGGGTCAG	ACGTTGGATGAAAGAGCACTGACCATGGAG
1403151	ACGTTGGATGTCAGTCAGAGATCATAGTTC	ACGTTGGATGCATGTAGTGCTTTAACAAATG
1442557	ACGTTGGATGCAACACATGCACCATTAGCG	ACGTTGGATGGAAGCCACAAACAGATCAGG
1497430	ACGTTGGATGTTGCTTGCTTGATGATTGGC	ACGTTGGATGTCTTCTGGACTTTAGCACTG
173317	ACGTTGGATGCTATAGGACTGTAAATTGTAG	ACGTTGGATGTTTTTACACACATGCTGTCA
1825790	ACGTTGGATGGGGCCAACATGGTAAAACTCC	ACGTTGGATGCTGGGATAACAGGTACTTGC
1843831	ACGTTGGATGTCTCAGCTCATTTCCACCTC	ACGTTGGATGACCTGTAGTCCCAGCTACTC
1843833	ACGTTGGATGGACCAACATGGTGAAATCTC	ACGTTGGATGTGAGTAGCTGGGACTACAGG
1846060	ACGTTGGATGAAGATTATCACCGCACTGGG	ACGTTGGATGATCTCCTGACCTCGTGATCC
1874633	ACGTTGGATGAGGTTTTTGGTATGGTTAGC	ACGTTGGATGGAAAAGGGAGTTGGCCTAAA
1874635	ACGTTGGATGAGAGAGAGAGAGAGAGAGAG	ACGTTGGATGATGGGCTATAGTGGGATAGG
189579	ACGTTGGATGACACCAAAAGCAATGGCAAC	ACGTTGGATGGTTGCCTGTTCACTCTGATG
190255	ACGTTGGATGGAGATCTAGCACATTTATCC	ACGTTGGATGAGGTTGCCTGAAATGCTAAG
191650	ACGTTGGATGGAGATACCTTTGCTAAGGTG	ACGTTGGATGGGTAGTAATAATGGTACTCC
1962700	ACGTTGGATGATAAGAGAGAGTGTGGGTGG	ACGTTGGATGATTTCCTGACCTCGTGATCC
2046599	ACGTTGGATGTATTGAATTCCCTCTGTATG	ACGTTGGATGTCATTCTTTTGAGACTGAAC
2046601	ACGTTGGATGGCTCCAATGACTAAGTGGAC	ACGTTGGATGGACAGAACACTAAGAGCCTA
2171386	ACGTTGGATGCTTATCGAAATGAAATCAAG	ACGTTGGATGACAGCTGCAAACCTAAGGAC
2254659	ACGTTGGATGATCTCTAAGTGAGATAGAGG	ACGTTGGATGCCCAGTCAAATGAAACCCAC
2276945	ACGTTGGATGGGGAATTCTATATTCCCATTG	ACGTTGGATGCCCAATTCCAACAGAAAATATC
2632450	ACGTTGGATGTTGAGACAAGCCTAGGCAAC	ACGTTGGATGGGTGCTGGGATTACAGGTGTG
2632453	ACGTTGGATGAAAAGTGAGAGGGCAATAGG	ACGTTGGATGCATAGTAAGTCACCACAAGC
2632454	ACGTTGGATGTTCTGTGGGTCAGATGTCTC	ACGTTGGATGAGAAACAGACTTCCTCCCAG

dbSNP rs#	Forward PCR primer	Reverse PCR primer
2632456	ACGTTGGATGCCACCATATCAACAGATCAG	ACGTTGGATGCCTGCCAGTATGCTGAGAAT
2646267	ACGTTGGATGTGAGAAAAAGCACTCCTGGG	ACGTTGGATGAGGCTGAGACAGGAGAATTG
2646268	ACGTTGGATGCAGGAGAATTGCTTGAACCC	ACGTTGGATGTGAGAAAAAGCACTCCTGGG
2646269	ACGTTGGATGACCACTATTGTTTCTTTCTC	ACGTTGGATGGGCTAAAGAGTGAAACCCTG
2646282	ACGTTGGATGGATTGTTTTGAGTCATCTAC	ACGTTGGATGCTGAAATTGACCAGGAAACAC
2646285	ACGTTGGATGGGTGGATTGGACAAACTTGC	ACGTTGGATGCCTTTTGCTTTTCATTGCTC
2646290	ACGTTGGATGGATAGCAAGCTACCTAAGAC	ACGTTGGATGCCTCCTTACTCCACTCAATC
2646292	ACGTTGGATGTTCTGTGGGTCAGATGTCTC	ACGTTGGATGCAAAGAAACAGACTTCCTCC
355465	ACGTTGGATGTATGAGGTTCTGCCACCAAG	ACGTTGGATGTACCAAATCTGAGGGTAGTC
355466	ACGTTGGATGCAGGAGCTGCTTAATTCCTC	ACGTTGGATGGATCTTGGGCACTAAGTCTC
355468	ACGTTGGATGCCTCTCCTCATTTCTGTAAAC	ACGTTGGATGGGCAGGTGGTTAGCATTAAG
355469	ACGTTGGATGTTGGGATCTAGGCATCAAGG	ACGTTGGATGAGGAGGCACATAATGCTTGG
355470	ACGTTGGATGACATACACACACACACACAC	ACGTTGGATGGAGACATACACCTCTGCAAC
355471	ACGTTGGATGCTCATTACAACTTCAGCCAG	ACGTTGGATGACTCAGGACTAAGCTAGTTG
355472	ACGTTGGATGTCTCTCTCTCTCTCTCTCTC	ACGTTGGATGCAGCCCTTAGTACTCAATGG
355475	ACGTTGGATGCTGTCTTATCCCAACTTAGA	ACGTTGGATGGTCATGTTACATACCGAAAC
355478	ACGTTGGATGGGAGGAATCCATATATAGGC	ACGTTGGATGCTGCTGAAGGGAATGAGTAC
355480	ACGTTGGATGGTTTACAGTCCCACCAACAG	ACGTTGGATGAGTCAGGAAACAACAGGTGC
355481	ACGTTGGATGATTGCCACACTGTCTTCCAC	ACGTTGGATGGGATGTGGAGAAACAGGAAC
355483	ACGTTGGATGCCATGTAAGTCTGTCATTTA	ACGTTGGATGAAGTGGTAGCAGAAGTGTGG
355485	ACGTTGGATGAAGAAGAGGCATGCAAACAG	ACGTTGGATGCTGCGACAAAAGACACATTC
355486	ACGTTGGATGTGAGAAAAAGCACTCCTGGG	ACGTTGGATGAGGAGAATTGCTTGAACCCG
355487	ACGTTGGATGCGAGGTAATGAGCAAAGTAAG	ACGTTGGATGGACATTAGGTTCATCTAACCC
355488	ACGTTGGATGCCAGTTTTCTATGACAAACG	ACGTTGGATGAAAGAGCAGGGACAGCAAAG
355489	ACGTTGGATGACTCTAGGTATTTTGACTCC	ACGTTGGATGAACTTCCATAGTAGAAAGCC
355490	ACGTTGGATGAACTTCCATAGTAGAAAGCC	ACGTTGGATGACTCTAGGTATTTTGACTCC
355493	ACGTTGGATGAGTGGTTTGCTGCACCTATC	ACGTTGGATGGGGGAGAGCATTAGGACAAAC
355498	ACGTTGGATGATGAGAGAGGACACAAAGAG	ACGTTGGATGTTACTTTGCACAGTGTGGCC
355499	ACGTTGGATGCAATCAAGCAGAAGGATGGG	ACGTTGGATGGGGTGTCTTCTTATAGTTGTC
355500	ACGTTGGATGCAATCAAGCAGAAGGATGGG	ACGTTGGATGGGGTGTCTTCTTATAGTTGTC
355508	ACGTTGGATGGTGTAGATGTGTATCAGGTCA	ACGTTGGATGGTCCACAAAGCATAGCATCC
355510	ACGTTGGATGCCCTCCTTTTAACCTTTTAGG	ACGTTGGATGTTCTGAGATGATCCTGATGG
355511	ACGTTGGATGCAGGAGGATATGTGAAAGTC	ACGTTGGATGGTGGATACCAAAATCCAAGG
355513	ACGTTGGATGTGCTGTATAACAGATTACCC	ACGTTGGATGAACTAGCTAGCTAAGCCTCC
355514	ACGTTGGATGCCTCAATAGGTTGTTGGAAC	ACGTTGGATGTTGAGTTCATACTATGTGCC
355515	ACGTTGGATGAGCTCTGCACTCTGACATAC	ACGTTGGATGGGTGCAGAGTACTACTTTGCC
355518	ACGTTGGATGTGCCATGGGGTTGTAAAATC	ACGTTGGATGACACAGAGACCAGCTGAAAG
355519	ACGTTGGATGGGGAAGAAGCAGATTTTGAG	ACGTTGGATGCATAGGTTGAGAACATCAAGC
3775861	ACGTTGGATGCCATCTCTTTGAAAATTCCAC	ACGTTGGATGCCCTCAAGTACTTGTTTTGTC
3775862	ACGTTGGATGTAATGAAGCTGAGTTTATTC	ACGTTGGATGGTTTTTGTTTATTGGTGTCC
3806810	ACGTTGGATGTCTTTTCTCCCATCATTTCC	ACGTTGGATGACTCAATGGTTGCATGTAGG
3822197	ACGTTGGATGTGTGTTTGCTAAAGCTATGCTG	ACGTTGGATGTGAGCATTATGCCTAAGAGC
451344	ACGTTGGATGCCTTTCTAGATACACTCCAT	ACGTTGGATGCAGCATGTGTGTAAAAATGC
451352	ACGTTGGATGAGGCAAATTATTTTTGGATG	ACGTTGGATGCTCCCTAAATGGGGAAAAAAG
451362	ACGTTGGATGCAACACATGCACCATTAGCG	ACGTTGGATGGAAGCCACAAACAGATCAGG
451376	ACGTTGGATGAGCAGTCTATTCTGGTTCAC	ACGTTGGATGGCCTTTGAGCTTTAAAAATC
451391	ACGTTGGATGTAAAGTAGGGACTGGGATGG	ACGTTGGATGGCTGTAGAGTAGTGAAACCC

dbSNP rs#	Forward PCR primer	Reverse PCR primer
451397	ACGTTGGATGGTTGCCATATTCAGCAGCTG	ACGTTGGATGCTGTTTCCAGTAGACCTTAG
724199	ACGTTGGATGCCAGCTAAAACTGCAAATAC	ACGTTGGATGTGGACTCATTTGAGAATATG
768244	ACGTTGGATGTAAAACCCCTTCCTCATCCC	ACGTTGGATGACCTTTAGCAGCCTGAAACC

Table 21

dbSNP rs#	Extend Primer	Term Mix
355469	GCACATAATGCTTGGTTGTATT	ACT
CENPC1_SNP1	CTTGACTTTCTACCTTGAA	ACT
11250	CTCTTGACTTTCTACCTTGAA	ACT
173317	ACTTAGCGGCTTAAAACAAC	ACT
189579	CTGTTCACTCTGATGGTAGTTT	CGT
190255	GTACTATGTGGCAGATGA	ACT
191650	GGTACTCCTACTTAAAATTTTG	ACT
355465	GAGGGTAGTCTTGGGAACC	CGT
355466	CTCTAGTGAGCTTCCCT	ACT
355468	AGCATTAAGTATTCATGAGAGTTC	CGT
355470	GGTCTGTTTTATATGTGTGT	ACT
355471	AGCTAGTTGCTTCAGTAAGT	ACT
355472	GTACAGTCATAACAGTTGTTAA	CGT
355475	TACATACCGAAACACATTCC	CGT
355478	ACATTCTATATGGCCCCTTG	ACT
355480	GGAGAGGATGTGGAGAAA	ACG
355481	GGTGGGACTGTAAACTA	ACT
355483	AGAAGTGTGGACACAGTATC	ACT
355485	CACATTCAACTATACACGCTTTTA	ACT
355486	GTGAGCCGAAATCGTGCCAC	ACG
355487	TTCATCTAACCCTTTTCATAA	ACT
355488	AGCAAAGCTGAAAATGATAA	CGT
355489	CAATAAATAATAGCAAAGACTGG	ACT
355490	TGTTTATATTGCTGTTTCTTGA	CGT
355493	CTCATGTGGGGCTTAAA	CGT
355498	GTGTGGCCATTTTCACT	ACT
355499	TGTTAGATAGAGGTTTATCATTTT	ACT
355500	TTTTTCCTGCAATAGTTTTCT	ACT
355508	ATACTTATGCTCTGCTACC	ACT
355510	ATGGTTTTCTTTCTTGTCCTTC	ACG
355511	GGATGCTCAAGTCCCTTATATA	ACG
355513	GCCTCCCAGATTGCTGA	ACT
355514	TGTGCCAAATATTTGCTAGAT	ACT
355515	ACTACTTTGCCTGTGTGTCA	ACG
355518	ACCAGCTGAAAGAAAATC	ACT
355519	AAGCTTAGTATGTCCAAATCTAAC	ACT

dbSNP rs#	Extend Primer	Term Mix
451344	GTGTGTAAAAATGCATTCCAAGTT	ACG
451352	CCCCCGAAATGTTTCAAAGG	ACG
451362	CCACAAACAGATCAGGTTGGTG	ACT
451376	AGTATGTAAAAAGATAGGGAAGA	ACT
451391	GAGTAGTGAAACCCCTGACC	ACG
451397	CAGTAGACCTTAGTTTCTTAACC	ACT
724199	GAGAATATGATAAAAGCTCAGACC	ACG
768244	GTTTCTGTCTCTGGCGA	ACG
1056787	GGATACAAGTTATGCTTTGATAG	ACT
1056789	TCCAATGGCTCACTCAG	ACG
1187960	GGAGGAGGTCAAAATATCA	ACT
1187961	GACTTCTCCTCAGCTATGAA	ACG
1187974	TGATTAAAACACCAAAAGCAATT	ACT
1353626	AATCTAAATTGTCTACTGAAACT	ACT
1391110	CCATGGAGTTGTAAGGAA	CGT
1403151	TAGTGCTTTAACAAATGCTGTCA	CGT
1442557	CACAAACAGATCAGGTTGGTG	ACT
1497430	GAATTGGGGAGAGAAAGGGA	ACT
1825790	CCTGGCAAATTTTGGTATTTTTAG	CGT
1843831	GCGGGAGAATGGCATGA	ACT
1843833	GCTCACCACCACACCTG	ACT
1846060	AAAGTGCTGGGATTACAGG	ACG
1874633	TGGCCTAAAAATATTTTTACCGT	ACT
1874635	CAACTGTTTAACAACCAGGC	ACT
1962700	AGAGTGCTGGGATTACA	ACT
2046599	CTTTTGAGACTGAACACCTCTA	ACG
2046601	AGAACACTAAGAGCCTAGAATGG	ACT
2171386	AGTATGCAGAGACTTACAG	ACT
2254659	AACCCACCATTCCTATG	ACG
2276945	CACAAAATACCTCCAAATTTTA	ACG
2632450	TTACAGGTGTGAGCCAC	ACG
2632453	CACCACAAGCCACTTGA	ACT
2632454	CTTCCTCCCAGAGCCAC	ACG
2632456	TCATAGGTAATGTGGATTTTGT	ACG
2646267	TTGCTTGAACCCGGGAG	ACT
2646268	TCGGCTCACTGCAATCTCT	ACT
2646269	TTCTCGCAAAGAGAAAAC	ACT
2646282	GGAATTAGCAGTCATTTCTTA	ACG
2646285	ATTTCTCTAGACTTTGCTACAAT	ACT
2646290	AGTTCATCCTTCAGGAA	ACT
2646292	AGACTTCCTCCCAGAGC	ACG
3775861	GTTTTGTCTTCAAATAGTAAAGA	ACG
3775862	TCCATTTTTATTTGCAGAAGAC	ACT
3806810	ATTGGATTTGGCGTAGC	ACT

dbSNP rs#	Extend Primer	Term Mix
3822197	AGCAGTAGGCAACTTCT	ACG

Please delete paragraph [0274] and replace it with the following paragraph:

[0274] The methods used to verify and genotype the proximal SNP of Table 15 are the same methods described in Examples 1 and 2 herein. The PCR primers and extend primers used in these assays are provided in Table ~~11~~23 **(SEQ ID NOS 632 and 633)** and Table ~~12~~24 **(SEQ ID NO: 634)**, respectively.

Table 23

dbSNP rs#	Second PCR primer	First PCR primer
1056787	ACGTTGGATGCATTTCATATTTTGTAGATC	ACGTTGGATGTCTCAGCCCTCTGATAAAAC

Table 24

dbSNP rs#	Extend Primer	Term Mix
1056787	GGATACAAGTTATGCTTTGATAG	ACT

Please delete paragraph [0275] and replace it with the following paragraph:

[0275] Table ~~13~~25, below, shows the case and control allele frequencies along with the p-values for the SNPs genotyped. The disease associated allele of column 4 is in bold and the disease associated amino acid of column 5 is also in bold. The chromosome position provided corresponds to NCBI's Build 33.

Table 25: Genotyping Results

dbSNP rs#	Position in Figure 4	Chromo-some Position	Alleles (A1/A2)	Amino Acid Change	AF F case	AF F control	p-value	Odds Ratio
1056787	42831	68317831	A/G	D389G	A = 0.030 G = 0.970	A = 0.110 G = 0.890	0.0266	1.640